



Attorney Docket No. 0553-0374

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Tetsuo TSUTSUI

Serial No.: 10/628,701

Filed: July 28, 2003

Examiner: Vip Patel

Art Unit: 2879

Confirmation No: 5182

For: ORGANIC ELECTROLUMINESCENT DEVICE

)  
) I hereby certify that this correspondence  
) is being deposited with the United States  
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) Commissioner for Patents, P.O. Box 1450,  
) Alexandria, VA 22313-1450, on May 25,  
) 2005

) Cristie M. Neal  
)

) Date: May 25, 2005  
)

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97, as revised on February 4, 1992, 1135 OG 23-24, Applicant hereby calls the Examiner's attention to documents listed on the attached form, which documents may be material to the examination of this application. As this application was filed after June 30, 2003, pursuant to 37 CFR §1.491(b), copies of US patents and US patent application publications are not enclosed herewith. Copies of foreign patent documents and non-patent literature publications are enclosed herewith for the Examiner's consideration.

The family of JP 10-270171 cited herein includes:  
US Patent no. 6,013,384

The family of JP 11-251067 cited herein includes:

US Patent no. 6,423,429

US Patent Application Publication no. US 2001/0046611 A1

The family of JP 11-329748 cited herein includes:

US Patent no. 6,107,734

The family of JP 2001-291592 cited herein includes:

US Patent no. 6,580,213

US Patent Application Publication no. US 2001/0031509 A1

US Patent Application Publication no. US 2003/0209974 A1

Japanese patent JP 2003-515933 cited herein claims priority to:

US Patent no. 6,451,415 B1

US Patent Application Publication no. US 2002/0197462 A1 cited herein is a continuation of:

US Patent no. 6,451,415 B1

US Patent Application Publication no. US 2004/0151887 A1 cited herein is a continuation of:

US Patent no. 6,692,820 B2

US Patent no. 6,692,820 B2 cited herein is a continuation of:

US Patent no. 6,451,415 B1

US patent no. 6,451,415 B1 cited herein is a CIP of:

US Patent no. 6,198,091 B1

US Patent no. 6,278,055 B1

US Patent no. 6,297,495 B1

US Patent no. 6,352,777 B1 (of which US publication 2002/0119297 A1 is a continuation)

No inference should be drawn that the attached list sets forth a comprehensive investigation of the prior art, that any or all are pertinent to the invention, or that any apparatus disclosed is equivalent to the subject invention.

The citation of the above-discussed documents is not to be construed as an assertion that more pertinent art could not

possibly be in existence. Citation of any document herein is not to be construed as an admission that any subject matter disclosed in the document is necessarily within the inventive field of endeavor, that any disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that any disclosure is otherwise necessarily prior art with respect to the instant invention.

Applicant also respectfully reserves the right to later set forth how the instant invention is distinguished over the disclosure of any document or other art, including the disclosure of those documents discussed herein, that may be cited by the Examiner in rejecting a claim in the instant patent application.

As an RCE is being filed herewith, applicant does not believe that a fee is due. However, if any such fee is required, please charge our Deposit Account No. 50/1039.

Respectfully submitted,



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LIST OF PUBLICATIONS CITED BY APPLICANT	<u>Atty. Docket No.</u> 0553-0374	<u>Serial No.</u> 10/628,701
	<u>Applicant</u> Tetsuo TSUTSUI	
	<u>Filing Date</u> July 28, 2003	<u>Group</u> 2879

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	4,971,919	11/20/90	Yamazaki	437	2	03/09/89
	5,478,777	12/26/95	Yamazaki	437	173	09/22/94
	US 2001/ 0046611 A1	11/29/01	Kido et al	428	690	02/25/99
	US 2004/ 0150333 A1	08/05/04	Tsutsui	313	512	07/24/03
	6,844,025 B2	01/18/05	Forrest et al	427	74	01/14/04

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	APPLICANT	English Abstract	English Trans.	FILING DATE

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS  
(Including Author, Title, Date, Pertinent Pages)

	<ol style="list-style-type: none"><li>1) FERRARIS, J. et al, "Electron Transfer in a New Highly Conducting Donor-Acceptor Complex," Journal of the American Chemical Society, vol. 95, no. 3, pp. 948-949, February 7, (1973).</li><li>2) TANG, C.W. et al, "Two-Layer Organic Photovoltaic Cell," Applied Physics Letters, vol. 48, no. 2, pp. 183-185, January 13, (1986).</li><li>3) HIRAMOTO, M. et al, "Effect of Thin Gold Interstitial-Layer on the Photovoltaic Properties of Tandem Organic Solar Cell," Chemistry Letters, pp. 327-330, (1990).</li><li>4) YU, G. et al, "Charge Separation and Photovoltaic Conversion Polymer Composites with Internal Donor/Acceptor Heterojunctions," J. Appl. Phys., vol. 78, no. 7, pp. 4510-4515, October 1, (1995).</li><li>5) PARTHASARATHY, G. et al, "A Metal-Free Cathode for Organic Semiconductor Devices," J. Appl. Phys., vol. 72, no. 17, pp. 2138-2140, April 27, (1998).</li></ol>
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EXAMINER:	DATE CONSIDERED:
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\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

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	5,677,546	10/14/97	Yu	257	40	05/19/95
	5,682,043	10/28/97	Pei et al	257	40	06/28/94
	6,013,384	01/11/00	Kido et al	428	690	01/22/98
	6,107,734	08/22/00	Tanaka et al	313	506	09/28/98
	6,300,612 B1	10/09/01	Yu	250	208.1	02/02/99
	US 2001/ 0031509 A1	10/18/01	Yamazaki	438	48	01/30/01
	6,423,429 B2	07/23/02	Kido et al	428	690	02/25/99
	6,452,092 B2	09/17/02	Han et al	136	263	01/19/01
	6,580,213 B2	06/17/03	Yamazaki	313	506	01/30/01
	US 2003/ 0209974 A1	11/13/03	Yamazaki	313	504	06/13/03

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	EP 0 855 848	07/29/98	Kido et al			01/07/98
	JP 10-270171	10/09/98	Kido et al	X		03/27/97
	JP 11-251067	09/17/99	Kido et al	X		03/02/98
	EP 0 948 063	10/06/99	Kido et al			02/25/99
	JP 11-329748	11/30/99	Idemitsu Kosan Co.	X		05/20/98
	JP 2003- 045676	02/14/03	Kido et al		X	07/26/01

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS  
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	4,871,236	10/03/89	Gemma et al	350	355	09/16/86
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	EP 0 215 683 B1	03/25/87	Kabushiki Kaisha Toshiba			09/18/86
	JP 2001- 291592	10/19/01	Semiconductor Energy Lab Co. Ltd.	X		01/31/01
	JP 2002- 164170	06/07/02	Matsushita Electric Works, Ltd.	X		11/27/00
	WO 02/101838	12/19/02	Trustees of Princeton Univ.			06/07/02

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	6,278,055 B1	08/21/01	Forrest et al	136	263	08/19/98
	6,297,495 B1	10/02/01	Bulovic et al	250	214.1	08/19/98
	6,352,777 B1	03/05/02	Bulovic et al	428	411.1	08/19/98
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	6,524,884 B1	02/25/03	Kim et al	438	99	05/16/02
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	US 2004/ 0027059 A1	02/12/04	Tsutsui	313	504	07/28/03
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	JP 06-318725	11/15/94	Ricoh Co., Ltd.	X		05/10/93
	JP 2001- 357975	12/26/01	Rohm Co., Ltd.		X	06/16/00
	JP 2003- 515933	05/07/03 (05/31/01 Int. Pub date)	University of Princeton	X		11/15/00

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**(Including Author, Title, Date, Pertinent Pages)**

- 6) FUCHIGAMI, H. et al, "Polythienylenevinylene Thin-Film Transistor with High Carrier Mobility," Applied Physics Letters, vol. 63, no. 10, pp. 1372-1374, September 6, (1993).
- 7) GUNDLACH, D.J. et al, "Pentacene Organic Thin-Film Transistors - Molecular Ordering and Mobility," IEEE Electron Device Letters, vol. 18 no. 3, pp. 87-89, March, (1997).
- 8) RUHSTALLER, B. et al, "Bias-Tuned Reduction of Self-Absorption in Polymer Blend Electroluminescence," Chemical Physics Letters, vol. 317, pp. 238-244, February 4, (2000).
- 9) NARAYAN, K.S. et al, "Light Responsive Polymer Field-Effect Transistor," Applied Physics Letters, vol. 79, no. 12, pp. 1891-1893, September 17, (2001).
- 10) US Patent application no. 10/763,101 to Ibe filed January 22, 2004, including specification, abstract, claims and drawings (all in Japanese).

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